

SummerMustang

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She's Working At The
Grass Roots Level

See Story On Pages 4 and 5

School Deans Named

Spring is a time of change and the academic world is no exception. University President Robert Kennedy recently announced the selection of two new school deans and two new department heads.

Dr. Howard C. Brown was selected as dean of the School of Agriculture and Natural Resources; Dr. William C. Langworthy was selected as dean of the School of Science and Mathematics; Dr. John K. Hampton of Adelphi University in Garden City, N.Y., will head the Biological Sciences Department; and Warren R. Anderson will head the Electronic and Electrical Engineering Department.

A member of the Cal Poly faculty since 1946, Dr. Brown has headed Cal Poly's Ornamental Horticulture Department since 1951.

He will succeed Dean J. Gardner Gibson, who will retire on July 31 after having spent 35 years in agricultural

The new dean earned a secondary school teaching credential in agriculture at Cal Poly in 1949 and his master's and doctor's degrees at Ohio State University in 1951 and 1963, respectively.

He joined the faculty of Cal Poly's Ornamental Horticulture Department in 1946



Dr. John K. Hampton

and became head of the department in 1951.

Dr. Langworthy, a member of the Cal Poly faculty and head of the Chemistry Department at Cal Poly since 1973, will begin his new duties on Aug. 1, according to Dr. Kennedy.

He will succeed Dr. Charles Hanks, who has been acting dean of the School of Science and Mathematics since the death of Dean Clyde P. Fisher last fall. Dr. Hanks is expected to return to his former duties as head of the university's Mathematics Department.

Cal Poly's School of Science and Mathematics includes the Biological Sciences, Chemistry, Computer Science and Statistics, Military Science, Mathematics, and Physics Departments.

"The three years he has spent as head of our Chemistry Department and his previous experience as associate dean of the School of Letters, Arts, and Sciences at California State University, Fullerton, give Dr. Langworthy the background he needs to continue the tradition of strong leadership for our science and mathematics programs," President Kennedy continued.

Dr. Langworthy holds a Bachelor of Science degree from Tufts College in Massachusetts, completed his study for the Doctor of Philosophy Degree at University of California, Berkeley, and has done post-doctoral study and research at both Massachusetts Institute of Technology and U.C. Berkeley.

Dr. John K. Hampton will begin his new assignment on Aug. 1, 1976.

The new department head will succeed Dr. Richard E. Nelson, who asked to be

reassigned to teaching duties as a member of the biological sciences faculty. A member of the Cal Poly faculty since 1960, he has been head of the department for the past five years.

Dr. Hampton, 52, is a graduate of Millsaps College in Mississippi and Tulane University in New Orleans, where he completed study for his Doctor of Philosophy Degree in physiology in 1949.

Since joining the Adelphi faculty in 1973, he has been chairman of a university committee on graduate education and a member of the steering committee for a accreditation study of the university.

Before that, Dr. Hampton was a member of the Dental Science Institute and the Graduate School of Biomedical Sciences faculty at University of Texas, Houston, for seven years.

He also was a member of the School of Medicine faculty at Tulane for 13 years.

A member of the Cal Poly faculty since 1946, Anderson will assume his new duties on Sept. 3, according to Dr. Robert C. Volpey, dean of the university's School of Engineering and Technology.

He succeeds Dr. Evan R. Owen, who requested reassignment to a full-time teaching position in the department. Dr. Owen became head of the department in 1969 after having been a development engineer with General Electric Company.



Warren R. Anderson

Anderson, a native of Houston, Minn., is a graduate of University of Minnesota, where he earned a degree in agriculture, and Louisiana State University, where he completed study for a degree in electrical engineering.

In addition to his teaching assignments at Cal Poly over the past 30 years, the new department head has been involved in the Academic Senate of the California State University and Colleges.



Howard C. Brown

education, 27 of them at Cal Poly. He has been dean of the university's School of Agriculture and Natural Resources for the past eight years.

Dr. Kennedy said that Dr. Brown, who will begin his new assignment on August 1, was one of four candidates recommended to him by the committee as being acceptable for appointment following a nationwide recruitment effort.

"World population problems and the resulting needs for food and other agricultural products require strong and effective



William C. Langworthy

leadership in the nation's agricultural schools," Dr. Kennedy said.



Junior animal science major Sarah Bliss discovers that just because it's the summer time, things aren't really so different when you have a 5:00 registration time. University officials reported

an unofficial enrollment figure of 4,855 as of Monday evening. This compares to 4,609 last summer. (Summer Mustang photo by Colleen Combes.)

Hurtado Trial Set

Former Cal Poly student body president Mike Hurtado will appear in Superior Court on July 1 to answer to felony fraudulent voter registration charges.

At a preliminary hearing on Thursday, June 17, Municipal Court Judge Richard D. Wood ruled that there is enough evidence to show that Hurtado may have violated Section 220 of the state elections code.

The district attorney's office issued the complaint on March 20 against the 27-year-old senior journalism major who registered to vote on May 3, 1974. Hurtado served out his term of office on June 17.

Deputy district attorney Daniel Hillford charges that Hurtado registered knowing that he wasn't a U.S. citizen. If found guilty of fraud, he faces a possible state prison sentence to one to three years.

Hurtado's lawyer, Robert B. Lilly of the public defenders office, admits that he was born in Mexico and not California, as the May 3 voter's registration affidavit states. He says that Hurtado may have responded to questions from the registrar but that he wrote nothing on the form but his signature.

Hillford says the voter affidavit states Hurtado was a U.S. citizen. Lilly counters that this was filled in by deputy registrar, Michael T. Nolan, and not Hurtado.

Despite objections from Lilly, several documents from immigration officials and Hurtado's birth certificate were admitted by Judge Wood as evidence.

Hurtado, elected last spring quarter, was the first minority representative to be elected student body president. He has refused to comment on his case on the advice of his counsel.

Band Makes It Big

The Symphonic Band, which has captivated both California and international audiences in recent months, has caught the ear of a national music publisher.

The firm, the Hal Leonard Publishing Company of Milwaukee, Wis., commissioned the Cal Poly band to record six pieces of music for its soon-to-be-published list of music for symphonic bands.

Titled, "Music for Concert Bands, 1977," the record and list of new compositions and arrangements will be sent to every school music teacher in the United States, from the junior high school to the college and university level.

William V. Johnson, director of the Cal Poly band, said he was "very pleased" with the four-and-a-half-hour recording session, which took place on June 2 in the rehearsal room in the Harold P. Davidson Music Center.

He said the band performed so well that representatives of the Leonard Company decided during the session to have the band record two additional selections.

Last summer the band in Vienna, Austria, where it was the featured resident ensemble for the International Youth and Music Festival. While there, the 80-piece ensemble gave a concert that

was recorded for rebroadcast over the Austrian national radio network and Radio Free Europe.

Numbers recorded by the band for inclusion in the publishing company's package for music teachers were "The Magic of Disney," "Animal Suite," "Sagebrush Saga," "It's a Small World," "Rolling Reels," and an arrangement of "Tonight" from "Westside Story."

Technical assistance and costs for the recording session were paid by the Leonard Company which also awarded a \$400 grant to the campus Music Club in appreciation for the band's cooperation.

Summer Mustang

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Long, hot summer

Letters

Mustang Daily welcomes letters from all viewpoints. Length of letters should be limited to 150 words-typed and double spaced. Letters will not be published

without a signature and student I.D. number. We reserve the right to edit for libel and length. Sorry, but no poetry is accepted. Bring letters to Graphic Arts, Room 220.

Bunzel: Keep Faith With The Government

An overflow crowd of 10,000 parents, friends and relatives of the class of 1976 heard San Jose State University president, John Bunzel, declare that in spite "of a pervasive mood of self-doubt and even morbidity about our present past," the structure and values of representative government in this country have not been discredited.

Mustang Stadium was packed to overflowing on Saturday, June 12, as degrees were conferred on more than 3,200 candidates at the 70th annual commencement exercises.

The 3,257 degrees included 330 candidates for master's degrees, 2,881 candidates for bachelor's degrees and 46 candidates for two-year technical certificates. Thirty-three of the bachelor's degrees were double majors.

Bunzel retraced the happenings of the Watergate years and told the crowd that this is a time "when accusations are the order of the day, when wrong-doing oc-

cupies the headlines, and we are reminded again and again by the media of our failures as a nation."

But unlike some commentators, he added, "I am not prepared to claim that the electoral process is dead or that the legitimacy of our system has been weakened beyond repair."

"I would certainly not try to persuade you, in the spirit of Dr. Pangloss, that this is the best of all possible worlds," he said. "But I am willing to argue that it is not the worst."

"I would certainly not try to tell you that we can heal our troubles as a nation by generous applications of the seductive balm of self-congratulation."

"But I am prepared to disassociate myself from the 'chicken little' mentality which is so determined to announce that the sky is falling that it will not recognize that the American tradition of human liberty is still very much alive."

While calling for a "heal-

ing process" in this country, Dr. Bunzel, offered several thoughts about what needs to be done to avoid further polarization and conflict.

The search for racial justice is at the top of the nation's list of unfinished business, President Bunzel said. "But I would offer a sober reminder, especially at a time when some people seem intent on dividing us all into special groups based on race, sex, or ethnic origin."

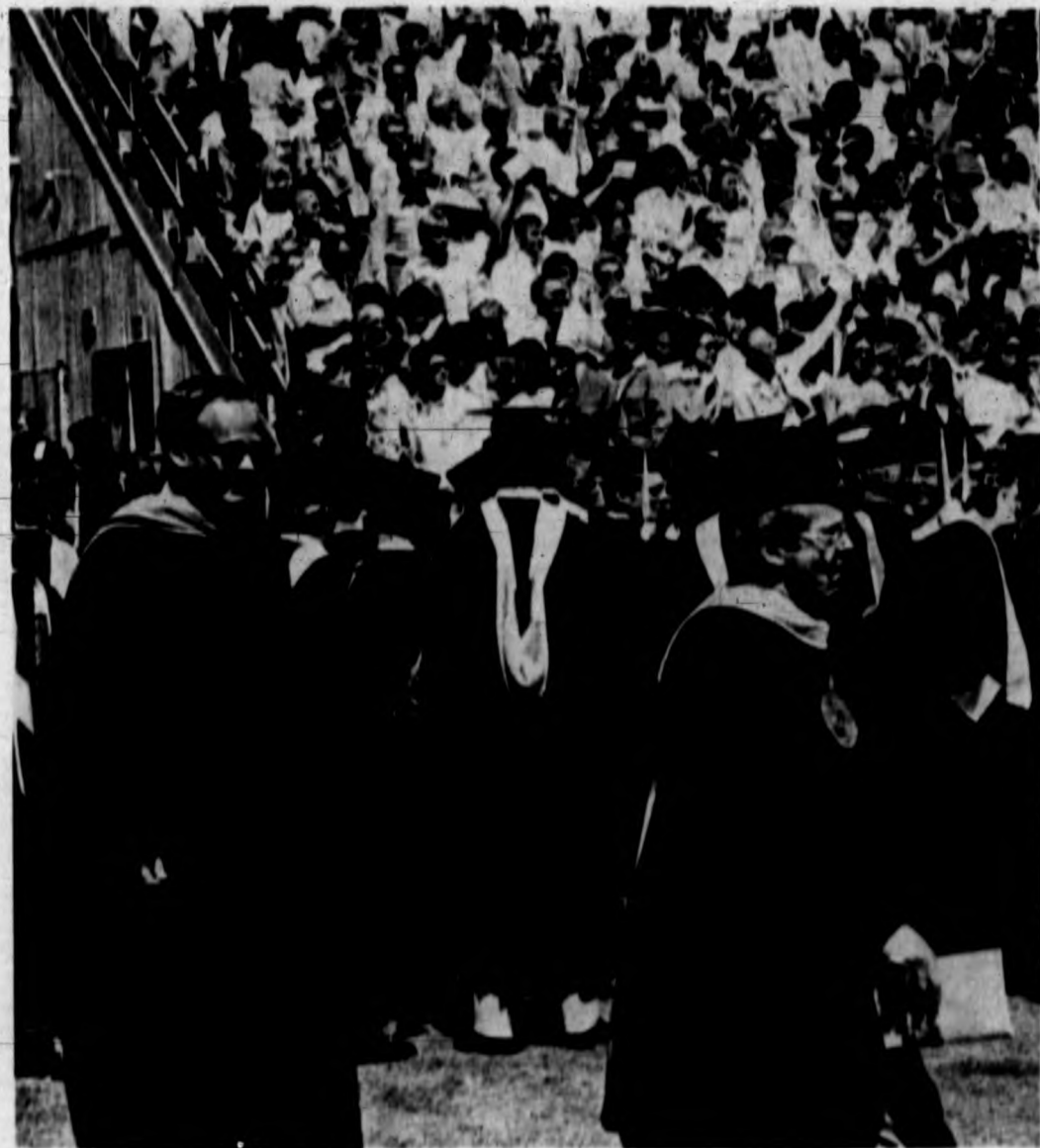
"There is no such thing as black justice, brown justice, or female justice," he told the audience. "There is only justice. Justice wears her blindfold so that she may recognize no favorites, but she holds a scale in which merit is weighed."

The nation has been badly served, Dr. Bunzel said, by the "self-appointed moralists of the left and the right" who are perfectly willing to sacrifice the Bill of Rights or the democratic process to get their own way.



(Above) This "balloonist" helps to lend a festive touch to the pomp and circumstance.

(left) Adoring family and friends pack Mustang Stadium to view the graduation procession led by President Robert Kennedy and John "Better Eight Than Never" Bunzel.



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Cuesta Jazz Friday

Guitarist Herb Ellis will join the Cuesta College Jazz Ensemble as guest artist for a Bon Voyage Concert this Friday. The concert will mark the last fund-raising effort by the group before their trip to Switzerland.

Herb Ellis is the winner of many jazz polls and has played with such great artists as Ella Fitzgerald, Glen Gray, Jimmy Dorsey, Stan Getz, and Charlie Byrd among others.

The concert is scheduled for 8 p.m. in the Cuesta auditorium. Tickets are \$3.50, \$2.50 for students and on sale at the Cuesta bookstore. There will also be a free clinic for guitarists in the auditorium from 5-8 p.m.

The jazz ensemble has accepted an invitation to perform at the 1976 Montreux International Jazz Festival in Montreux, Switzerland, July 6-10. The group has been raising money for the trip by playing a number of concerts and dances in the area. Each member, however, will pay \$150 of his expenses.

Ellis has been a jazz guitarist of high regard for many years. He played with some of the big bands and joined the Oscar Peterson Trio and Jazz at the Philharmonic. He has recorded many albums and successfully completed many tours. He has appeared on many television shows as a guitarist, and at present, performs regularly on the Merv Griffin Show.

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Grass Roots: Extending A Helping Hand

by Craig Reem

Mustang Staff Writer

From Cal Poly students to the destitute, a social agency named Grass Roots II supplies aid, transportation to an average of 1870 people each month.

Grass Roots is a non-profit community social service that concerns itself with the needs of the needy. People seeking food, clothes and temporary housing call. So do the elderly who need transportation. In all, it is the last recourse for many who do not receive help from local agencies such as the Welfare Department and Legal Aid.

Maxine Lewis, executive director of Grass Roots, calls the agency a vital necessity. "Without Grass Roots, my feeling is that San Luis Obispo would have criminal problems like in the cities. When people are cold and angry and have no one to talk to, they have no alternatives."

"The last alternative on the legal side."

Lamar Keels, assistant director, echoes Lewis' feelings, calling Grass Roots "the last alternative on the legal side" for many people.

"We get the hard-core people that the other social services can't help. So we keep them from robbing and keep their tempers down."

The services offered, which include a warehouse on Santa Barbara Street stocked with donated clothes, are funded mostly by the city of San Luis Obispo. The amount was \$21,005 for the past fiscal year.

Other money is raised from donations and fund raising events.

With this small budget, Lewis and Keels say volunteers are needed to help in serving the large number of people needing various services. Last years total was 10,808 cases.

The number of cases is rapidly increasing. Yet with nearly 2000 people calling or coming in seeking help each month, Grass Roots staff remains the same.

Grass Roots needs volunteers.

Lewis explains that Grass Roots looks toward Cal Poly for volunteers, but with little success. "We have no problem getting someone to paint a house or do some hauling for us, but in a project such as getting up a thrift shop, we get no long-term volunteers."

Keels says the problem is not communication with the students as much as with the university administration. "A student who is graduating to work with society should be at some

time doing some clinical work."

Keels and Rory Ritts, a journalism major here, are writing a proposal to the administration at Cal Poly. "The main goal," Ritts says, "is to get a course into the social sciences curriculum involving social welfare victims. This would give the student actual experience in the field."

Cal Poly students come to Grass Roots seeking housing, loans and food, according to Linda Chape, the receptionist. She says they do not put back into the systems what they take out, explaining that flyers were sent to the university earlier in the year asking for volunteers. There were no responses.

Chape says student volunteers could help Grass Roots programs involving El Paso Robles Boys School and Atascadero State hospital.

Once a month, Grass Roots provides the patients at Atascadero with a dance/social as part of their therapy.

Once a week, Grass Roots offers crafts and recreation to the Avenal cottage at the boys school.

Gerald Lee, a volunteer for Grass Roots, was paroled out of the boys school a part of the California Youth Authority for juveniles. He stacks canned goods and is a rummage collector for the agency.

Gerald likes the idea of helping needy people, explaining that a volunteer "donates his time and is dependable."

"If I wasn't at Grass Roots," he says, "I'd be sitting in an institution with my brother."

Student Community Services is a volunteer group working at Cal Poly to develop a relationship between the community on-campus and the community off-campus.

SCS has done several things for Grass Roots, according to co-ordinator Robert Bonds, including Thanksgiving dinners and Christmas gifts. But SAC has no volunteers working on a regular basis for Grass Roots.

"There are 1,000 students at Cal Poly," Bonds says. "What they could do for Grass Roots is awesome," adding that awareness of social needs is necessary to make students take notice.

Bonds explains one dilemma involving volunteers: "Volunteers have good ideas and intentions, but you have to be dedicated working with low-income people, the poor and the transients. Poor and needy people don't disappear after a couple of hours of volunteer work."

From the Grass Roots standpoint, Keels says the community itself needs some awareness, explaining that "almost every city is

negligent of its social problems."

Eight years ago, the federal government, through the Economic Opportunity Commission (E.O.C.) cut off funds to direct service programs such as Grass Roots. The Government felt local government should pick up the tab, and San Luis Obispo has done so. The funds from the city pay for two full time workers and the county, through the federally-funded Comprehensive Employment Training Act (CETA) pays for the partial salaries of five other staff members.

The city council decides each year what amount of money will be appropriated for Grass Roots. According to Ms. Lewis, Grass Roots is asking for \$35,525 for this fiscal year, a jump of nearly 80 percent.

Local government foots the bill.

Orloff Miller, co-ordinator of social services for Human Relations Commission, after receiving Grass Roots' proposed budget, says he will recommend a figure "less" than what is asked the city council.

Human Relations Commission is the co-ordinator between the city council and social services. The commission handles all budget requests and a tally during the year of each monthly report.

The commission "is supportive of the work of Grass Roots," Miller says. "Thus far, we have recommended allocated increased amounts of money" to the agency each year.

City councilman Keith Gurnee says the council is not totally supportive of funding social services. He believes some of Grass Roots services may be used by out-of-city people. He does not think San Luis Obispo should support these outsiders.

Councilman Jesse Norris thinks Grass Roots proposed budget "is unreasonable. We have to ask, how effective is Grass Roots in dealing with the problems? To what effect are they serving the people?"

Norris says if the agency extends past the city's boundaries, the county should involve itself more to help funding.

"Generally, I get a lot of questions about Grass Roots," Norris says, adding that their image needs to be improved. "They need to be more effective."

"Positive feeling" about the program.

Mayor Kenneth Schwartz says, "My perception is that they are filling a needed service in the enlarged community." He has a "positive feeling" about Grass Roots, explaining that they are "dedicated."

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To The Community

Guatemala Relief

Charles Atlee, a member of the faculty of the Crop Science Department at Cal Poly, who served as chairman of the Guatemala Relief Fund Drive, has been asked by CARE, the organization through which the \$1,500 raised by Cal Poly and the San Luis Obispo area was distributed, to report to the donors on the ways in which the funds helped the earthquake-stricken populace.

Atlee and his wife will leave June 15 to head up a work project in the Guatemalan highlands which will aid in reconstruction of homes.

William Salas, director of CARE in Guatemala, writes: "The immediate concern in any disaster situation is the rescue and preservation of human life. In concrete terms, this means food, medicine and blankets. As soon as the earth settled in the early morning hours of February 4th, the CARE relief effort is underway. We had the good fortune to have about 9 million pounds of government surplus food stockpiled in warehouses throughout the country for use in our various feeding programs during the ensuing two weeks.



Lamar Keels, assistant director of Grassroots II, a community service organization, is on the lookout for

volunteers from Cal Poly. The office is located at 1236 Archer St. (Summer Mustang photo by Cathy Ericksen.)

Mystery Surrounds Death; Plutonium The Only Clue

by Elena-Marie Koster
Mustang Staff Writer

The highway patrol calls it a classic case of a driver asleep at the wheel, while the union for Oil, Chemical and Atomic Workers thinks murder might be a better word.

The controversy surrounding Karen Silkwood, a worker in a uranium processing plant, has reached the level of a congressional investigation.

Silkwood, had been gathering information about alleged lax health and safety practices at Kerr-McGee Corporation's Cimarron Facility near Oklahoma City, Nevada for six months. She died alone in an auto crash on her way to a meeting with union officials and a New York Times reporter.

In the days immediately before her death she had been under stress after being contaminated by radioactive plutonium.

Her research into safety began late in the spring of 1974 when she was elected to the governing committee of the OCAW local. The health and safety of herself and her co-workers became her project as a union officer.

Silkwood worked for Kerr-McGee since its opening in 1970, processing plutonium from uranium ore.

Plutonium is one of the most toxic substances known. A single particle the size of a grain of pollen has been shown to cause cancer in laboratory animals. Plutonium is radioactive for 250,000 years. Exposure to high levels of radiation can sicken and kill. In small doses, radioactive particles can be taken for years possibly leading to cancer.

Its effect on human organism is being studied in Los Alamos, New Mexico. It is known to cause death, induce cancer and trigger genetic damage. Exact reaction to what amount is still being studied there.

When Silkwood started her research there had been 17 contamination incidents involving 77 workers in the plant.

In the summer after she took office there was a large turnover of workers at the facility. There was also an increase in production.

With concern that the lack of experience and skill would hurt the safety of the operation Silkwood began to keep a notebook of events at work.

By September she had enough information to take to the Atomic Energy Commission. A report from the commission issued January 7, 1974 upheld 20 of the 30 allegations. Silkwood presented in the name of the union.

Complaints sustained included the charge that plutonium was kept in desk drawers, instead of storage vaults, that there were only two showers for the 75 workers on each shift, and that unsafe amounts of plutonium were allowed to accumulate in certain work areas.

The story of her own contamination began about a week before her death. It was determined that her contamination came through ingestion.

On November 5 a standard check for radioactivity at work showed that her left hand, right wrist and upper arm, neck, face and hair had been contaminated with plutonium.

She was taken to a shower for decontamination. As standard procedure she was scrubbed three times with a mixture of Tide and Clorox.

Samples of her urine and fecal were taken for analysis.

She returned to work that afternoon.

The next morning, after an hour of work, she was checked and found to be contaminated again. This time the exposure registered on her right forearm, neck and face.

She repeated the decontamination process. Later she told union officials, "By Thursday I hurt to cry because the salt in my tears burned my skin."

The excrement samples showed extremely high levels of radiation. In a report issued by the AEC after her death it was revealed that plutonium had been added to the samples to give the high readings. Who added the plutonium and why has not been determined.

Two theories are that Silkwood doctored the samples herself to embarrass the company or that someone else did it to frighten her.

On November 7, Thursday, her apartment was checked for contamination.

Her apartment was found to be highly radioactive with the highest levels being in the kitchen and the bathroom. All items registering radioactivity were removed and buried. These included the carpet, the refrigerator, kitchen cabinets, the ventilation system, clothes, cosmetics, and other personal effects.

At this point she was questioned by lawyers of the Kerr-McGee company concerning the incident. A statement she signed concluded,

"I have no knowledge of what happened, but I feel that the contamination is coming out of my body."

Her roommate, another worker at the facility had received some contamination. Silkwood, her roommate, and her boyfriend were sent to Los Alamos to determine how much radiation remained in their bodies.

The doctors there told her she would not see immediate death as a result of the contamination. They could not say what effect it might have after 20 or 30 years.

Silkwood returned to work on November 15 after five days in Los Alamos.

That night she attended a dinner meeting of her union's contract negotiation committee.

Towards the end of the meeting those who attended recalled discussing her health. They relate that she wept from fear and concern.

The OCAW Union has a sworn affidavit from one of the committee members reporting that she had with her a month folder and a large notebook supporting her allegations against Kerr-McGee.

After the meeting she left to meet with a union official who had asked for additional information concerning the facility's safety.

Her car went off the road and crashed into a concrete wall 7.5 miles away from the restaurant.

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The Conscious Robot

by Craig Reem
Mustang Staff Writer

The sophistication of modern computers has brought to light the possibility of making a robot that can have consciousness—the ability to have sensations and perceive the world around it.

James E. Calbertson, philosophy department head, has spent years working on the possibility of constructing robots to have consciousness. Among his published works is a book entitled *The Minds of Robots*.

Calbertson, in an interview says that computers today are becoming more sophisticated. Computers are not "giant morons that you have to tell what to do anymore. Rather, they are general problem solvers," he says.

Admitting the field of wiring consciousness into robots is undeveloped, Calbertson says that at present there is no agreement among researchers as to how to make a device conscious. Explaining that consciousness and intelligence are two different concepts, he says today's technology has developed intelligent robots, but without consciousness.

How do you know if a robot is conscious? Calbertson says, "One thing is certain there is no way to tell by just watching its behavior. You can make a machine that will satisfy any input-output, but there is no way to tell by its behavior that it is

having sensations and feelings."

To determine consciousness, Calbertson says, an artificial cable of a bundle of neurons (nerve cells) would run from a robot into the brain of a human observer. With this artificial brain attached to the human's brain, the human would have the use of the two brains.

If the robot had consciousness, the human would experience the same sensations as the machine.

If the robot had no consciousness, Calbertson says, the human observer would feel no sensation at all.

Calbertson cites the undeveloped field of robot consciousness, limited brain technology and the potential harm to the human observer as drawbacks.

Calbertson's theory of consciousness deals with simple sensations and memory images of simple pain as the first level of consciousness in a robot. He says the more complex feelings like sadness are still a long way off. His main concern is to program a robot to have a simple sensation.

The first conscious robot would be paralyzed, Calbertson continues, explaining that it would not be able to do anything. "It is another matter to make it conscious and intelligent, so it can respond," he says.

Calbertson believes that conscious robots are only a few years away from development. He says researchers will build robots with simple feelings, then become more elaborate, then after quite awhile to compete with unconscious, intelligent machines, thus being much like humans.

In dealing with the ad-

vanced computer of today, it is possible to construct a robot to respond to any input-output data, but without any consciousness. Robert H. Dourson, an associate professor of computer science and statistics here, explains that computers have come as far as their programmers, and that has been a long way.

The sophisticated, unconscious computer of today, Dourson says, "can make faster decisions than humans. Our computers (at Cal Poly) can do a simple addition problem in 7 millionths of a second," he says.

"You can program a computer to make changes in its knowledge as a result of its experience," Dourson says, adding that a computer playing chess could be programmed to "look down the line and decide what would be the 'probable move' by the opponent. Through the experience of playing the game, Dourson says the computer could change the value of each move it has been programmed with.

"Concerning consciousness in robots, Dourson says, "I personally don't think we are near that in technology," but he believes it could be possible.



The computer that Rick Moynahan, computer room manager, is attending to may not be conscious but in a

few years scientists and philosophers think it may be a definite possibility to make conscious robots.

Metric System Inching Forward

The metric system is slowly but surely insinuating itself into the American way of life.

Although metric opponents have been hoping for years the metric system would remain in its own corner of the world, they can hope no more.

American consumers are now being enticed by goods bearing metric measurements. Those few items now on the market may be novelties as yet, but they are forerunners of things to come.

Seriousness of the metric invasion may be indicated by the fact that American soft drink companies have begun distribution of their product in liter bottles. Pepsi-Cola and 7-Up drinkers in the Los Angeles and San Francisco areas may already be aware the quart bottle is on its way out.

American wine makers have also climbed aboard the

metric band wagon with distribution of 750 milliliter bottles. Wine drinkers may not have noticed the new bottles contain less than the 1-5 quart bottles, 25.4 fluid ounces as compared to 25.6 fluid ounces.

The introduction of soft drinks and wine in milliliter measurements is only a step away from introduction of liter bottles of milk or grape juice. The quart container may fast become an endangered species, along with pints, half-gallons and gallons.

The metric invasion has also begun on less fluid fronts. American homemakers can now buy measuring cups and spoons with milliliter markings. They can also purchase the book, "Bake it Metric," with recipes calling for milliliters of sugar, flour, butter and spices.

To aid the metric baker in adapting American recipes to metric measurements, the book contains conversion tables. The American cup is approximately equal to 240 milliliters. The approximately equal proportions may produce some interesting results.

As soon as American

homemakers master milliliter baking they can tackle centimeter sewing. Some patterns now on the market contain metric charts for converting inches and yards to centimeters and meters.

The woman who now sews with a size 10 misses pattern may find her measurements are no longer 32.5, 24, 33.5 inches but 80, 61, 85 centimeters. She may find herself buying 2.55 meters of fabric 150 centimeters wide instead of 2 1/2 yards of fabric 60 inches wide.

Even children are not safe from the metric invasion. New textbooks scheduled for use in fall 1976 in the San Luis Coastal Unified School District contain metric measurements, said Dr. Charles Lewin, assistant superintendent.

Parents of elementary school children may find themselves at a loss to help with metrication homework. As more and more students learn to use meters and centimeters, more and more parents will have to abandon yardsticks and inches.

Those persons who dread having to learn a new kind of math will find dozens of books written to make

metrication easier. Conversion tables in booklet form or on pencil cups may make the task a little easier.

As more and more items with metric measurements appear on the market, American consumers may start figuring how many kilometers they can travel on a liter of gasoline.

Nuclear Meeting

The application to license Diablo Canyon will be examined by a Nuclear Regulatory Commission's advisory committee on reactor safeguards in a public meeting on June 25 and June 26.

The meeting will be held at the Royal Inn, 241 Madonna Road, both days, beginning at 9 a.m. on June 25 and 8:30 a.m. on the next day.

A subcommittee of the NRC will meet with representatives to the NRC staff and Pacific Gas and Electric to discuss the seismic design of the plant.

The Advisory Commission on Reactor Safeguards, ACRS, conducts independent, highly technical reviews of safety considerations related to nuclear facilities.

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Psychic Power: It's In Your Head

by Anne Arnold
Book Staff 11/10/00

by Katie Koppell
10001 South Wilshire

"I told my teacher that she had a right wife for her boyfriend. I didn't find out until later that the principal was her husband."

A mother of four, Yeetman says her daughter, Shannon, has mental psychic abilities, according to Yeetman, once Shannon "to take one foot out of her mouth in time or put the other one in."

Devereaux says, "I'll have the child come in the room and figure out what the object is. Shannon and my second son can do it, but the other two are not natural psychologists. Devereaux says her children like having a psychic mother. She said someone once asked her 13-year-old son what it was like having a mother with psychic powers. He answered, 'It's great. I never have to look for anything.' Devereaux says she can usually perceive the locations of objects. "The psychic views herself as a child, innocent, does not place as much importance on finding lost objects as she does other people. She has located missing and put out wanted help. Devereaux has helped police solve violent crimes. She does not work on minutes. She does not work on time. 'I don't enjoy it in most cases,' she confessed. 'I prefer to work with living persons.'

Lamone, chief of police and Lieutenant M. W. Kamos both endorsed a letter which said: Devereaux's assistance has been of great value in narrowing the possibilities and directing us more quickly to solutions of

investigations that otherwise appeared insubstantial. Mrs. Yeterian is highly regarded for her amazing accuracy and insight.

Yeterian says her powers involve telepathic location, in which she links up with a person, and feels what they are feeling.

"I concentrate on that person so I can see through him," she says. "It's as though I'm standing aside or floating 10 feet above the ground. But there is a strong link. I feel pain, like one time when I was looking for a boy and felt a pain in my ankle. I knew he had a sprained ankle."

Although she uses her powers consciously, Yeterian says she often predicts things without knowing aware she has done so.

"My psychic experiences are such a constant daily thing with me, I don't realize the consequences. One day I sold a stock in a company would go up and didn't remember until a businessman who had heard me later called up and thanked me. He had made \$7,000 on the stock."

Yeterian has been featured in National Enquirer, in the April 13, 1976 issue, she

She's At Home With The Chickens

by Julie Brown
Assistant Staff Writer

The sophomore Poultry Industry major has had responsibility of 450 laying hens since they began to produce eggs in January. Bates will continue to care for her concrete project through June.

around here. We don't have enough cars (or moving vans and eggs) to go around and the egg washing machine is sort of a joke." On a typical afternoon, Rues has several jobs to perform. Arriving at the poultry

put on her ill-used bike, Bates gets off and acquiesces, if there's one to be found. She gathers several egg flats from inside the room and pushes them on her cart to house C2, where Bates' hens are caged. Bates hands all her live-

from the main text room, on Saturdays if possible. The room bounds is hunted by whelkarrow in three foids. Blues seek of the dusk, "That's a pity!" Thus, when blues arrives at her own house, she has only to hand feed for that day from

It took about 10 years to develop the most efficient design, says the inventor. "I dislike this work," says the inventor. "I dislike this work."

Next, Bates pushes the cart between the two rows of birds and collects the eggs which have rolled down on the line immediately below each cage. Then, he returns to the other side of the cage, and collects the eggs, and a time in each hand, and deposits them in the electric

to parasitize pine sawflies and study their behavior and dispersal. David Bouslog, a biologist at the University of Illinois, says that the birds are "dispersed" and "check the health of the trees, taking a minute at each cage to see if there are eggs." Bates says she collects eggs, "usually egg clutches sitting on the cage floor."

Bates has nothing more to do with her hens' eggs once they're recorded and stored away. "The poultry unit offers a variety of enterprise projects. Last year, Bates raised pedigree chicken replacements and Leghorn replacements. As a converter, Bates would like to go into poultry research. Then you'll find her in the laboratory every afternoon."

Loose

The woman was able to attract the attention of passing students about ten minutes later and they removed the tape from her arms and legs.

The investigation is being headed by Carl Poly University.

Robber Still Loose

A during daylight robbery during finals week of the spring quarter left the Cal Poly Food Service \$2,000 poorer and the bandits still in large.

Campus officials reported that employee, Linda Zavala, 24, was confronted by a man outside the east entry to the campus during half-Tuesday, June 8, as she left to take part of Monday's receipt to the Cal Poly Foundation office in the Union.

Mrs. Zavala was taken to some bushes near the science building where she was bound and gagged with manila rope, according to a university spokeswoman. The bandit took a large purse from her which contained the

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The spokesman said they had a gun and threatened to hurt her if she did not cooperate. He left her in the bushes and fled on foot.

The woman was able to attract the attention of passing students about ten minutes later and they removed the tape from her arms and legs.

University police are continuing the investigation but have very few clues to go on since the robbery had come up behind the woman and she has been unable to provide any description of the suspect.

The investigation is being headed by Carl Polz, a University

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President Ford will be
wounded by a would-be
assassin's bullet in
Washington during August.
He will not be able to con-
tinue in office and Vice-
President Nelson Rockefeller
will serve out his term.
"Henry Kissinger will
resign as Secretary of State
this year, but he'll return to
public life as the next
Secretary General of the United
Nations."
"I'd say that Richard
Nixon will reconcile after
he's completed a serious illness."
"Vietnam regards pump-
syringes as an extra sense.
She does not think it is
refined to spit out or
retch—philosophies
although she feels otherwise.
"Because you are more aware
of everything," she says her
experiences make her aware
of a power which she
rejects.
"Psychic power can be mis-
used. Vietnam believes
that someone else
"It brings me on you,"
she says. "Whenever you do
or think comes back to you.
The thoughts you have have
as much effect on someone as
going up to them and saying
something to them."
"The purpose of the pump-
syringe without June 27,
according to Vietnam, is to
reach people something
about parapsychology."
"People in places like this
don't have as much enjoy-
ment to learn about pump-
syringes, so that's why
we're holding a seminar
here," says Vietnam. "It's
necessary to bring a learning
experience to people who are
something like this."
Vietnam says she will take
people through one to enter
communications and
technique communications,
which they can use on their
own for better interpersonal
relationships.
Cost of the one-day
seminar is \$20.

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Are Americans Too Serious With Sports ?

By CHRISTOPHER
LEHMAN HAUPT
N.Y. Times News Service

At me, yes. It's an all too familiar set of questions that prompted the philosopher and culture analyst Michael Novak to write "The Joy of Sports: End Zones, Bases, Baskets, Balls, and the Consecration of the American Spirit." "How could I be 40 years old and still care what happens to the Dodgers? How could I have thrown away three hours of an evaporating life; watching a ritual, an inferior dance, a competition without a socially redeeming point?"

As Novak correctly perceived, it's a variation of a set of questions millions of guilty Americans ask themselves every day, as they turn to the sports section in the morning before troubling to check if the globe is still spinning on its axis, as they fall asleep at night wondering what football players the New York Giants signed from the Memphis Southmen. So Novak is perfectly right to attempt some serious answers to his questions, "to give his head

reasons for what his heart already knows."

He's right, too, to work them into the form of a sportsman's bonillabaise, with "Sportsreels" (after the "Newsreels" in John Dos Passos' "U.S.A.") to capture the concrete images of his enthusiasm; with lyrical meditations on the ontology of baseball, football and basketball, his three principal passions; with an extended religious metaphor to serve as the meat of the stew.

There's something here for almost everyone. A "Sportsreel" evoking Novak's boyhood love for playground basketball; a "Sportsreel" eviscerating Howard Casell. An explanation of why baseball enacts "the ritual Anglo-American myth" ("It is to games what the Federalist Papers are to books: orderly, reasoned, judiciously balanced, incorporating segments of violence and collision in a larger plan of rationality, absolutely dependent on an interiorization of public rules"); why basketball is

black jazz ("The game is corporate like black life: improvisatory like black life: formal and yet casual, swift and defiant; held back, contained, and then exploding; full of leaps and breakaway fluid sprints").

Novak clearly had a joyous time writing "The Joy of Sports": playing games with words, recalling his most glorious and embarrassing moments in sports (a home run hit in a schoolyard softball game; dinners eaten in the front seat of his car while listening to the only radio available that would pick up distant baseball games) and purging the big leagues of gathering evil as if he were Pete Roselle, Bowie Kuhn, Larry O'Brien and God, all rolled into one. And you should have an equally good time reading it, whether you are a true believer or not.

But what is one to make of the crux of Novak's case that America's passion for sports is to be taken seriously? Can it really be that "sports flow outward into action from a deep natural impulse that is

radically religious, an impulse of freedom, respect for ritual limits, a zest for symbolic meaning and a longing for perfection"? Does our reluctance to accept sports as such stem from our Protestant background, whose tradition it is to overlay the reality of play with the illusion of work? (Play, not work, is the end of life. To participate in the rites of play is to dwell in the Kingdom of Ends. To participate in work, career, and the making of history is to labor in the Kingdom of Means.")

My own Protestant conscience protests a little at this. It tells me that Novak has gone a bit too far in his enthusiasm (and in stretching his religion metaphor to the point of describing the Seven Seals that "lock the inner life of sports": Sacred Space, Sacred Time, Bond of Brothers, Rooting, Agon, Competing and Self-Discovery—as well as in using the word "liturgy" ad maximum nausium). It says that what his "heart knows" may have overwhelmed what his

head thinks, leaving the rest of our heads underwhelmed (to borrow Red Smith's expression).

Besides, it makes me uncomfortable when Novak confesses, "I have never met a person who disliked sports, or who absented himself or herself from them, who did not at the same time seem to me deficient in humanity." It's not so much that I've met or known of plenty of human people who were indifferent to sports (Was Albert Einstein a sports fan? What game did Mohandas K. Gandhi play, besides spinning?) It's just that pronouncements of this sort sound gratuitously schismatic.

Still, I'm so overwhelmed by the good sense in most of what Novak has to say that I refuse to quibble any longer. Particularly appealing is the distinction he makes between games as we perceive them and what goes into staging those games, or between the private life of the priest and the Eucharist as it is experienced by the communi-

cant, to borrow Novak's metaphor. For by extension he is able to argue that the many things wrong with sports today have little to do with the rituals themselves, but with the staging of the rituals, "for which he proposes 'Some Burkean Reforms' (among them organizing major-league sports for women)."

And by further extension he pleads for a return to newspaper sports sections that tell you what happens in the "games" not around them ("When I read the sports page, I'm not interested in big business, wheeling and dealing, money; all that is part of the mundane world of everyday and belongs on the other, boring pages of the paper, to be read from a sense of duty"). Which needed to be said, except that I'd still like to know just a little about the wheeling and dealing—such as which Memphis Southmen the New York Giants just signed up, so that when I fall asleep at night I can dream more realistically about next season.

New Clinic On Sports

A new sports medicine clinic has been added to the annual series of summer physical education workshops for professionals at California Polytechnic State University, San Luis Obispo.

The workshops will be held in an overlapping series from July 11 through Aug. 13. Also planned are workshops for elementary school teachers, women in secondary schools, and physical education and athletic coaching for men.

The 27th California Physical Education Workshop for Women in Secondary Schools will kick off the series with two sessions, the first from Sunday, July 11, through Friday, July 23, and the second from Sunday, July 25, through Friday, Aug. 6.

The Sports Medicine Clinic will begin on Monday, Aug. 2, and end on Friday, Aug. 6.

The 28th annual California Workshop for Physical Education and Athletic Coaching for Men will extend for two weeks, from Monday, Aug. 2, through Friday, Aug. 13.

The final workshop, the third annual Physical Education Workshop for Elementary School Teachers, will begin on Monday, Aug. 9, and end on Friday, Aug. 13.

Basketball For Girls

Girls with dreams of becoming a top-flight center, expert dribbler, or high scorer on a basketball team now have their big chance.

The first annual Basketball School for Girls will take place from Monday, June 28, through Friday, July 2, at Cal Poly.

Registration fee for the workshop, which is being sponsored by the Cal Poly Women's Physical Education Department, is \$45.

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